

Mitchell, Brian

From: Mitchell, Brian
Sent: Friday, February 25, 2022 2:56 PM
To: Graesch, Matthew
Cc: Wilken, Keith [DNR]; Cook, Dan; jeffwaterplant@hotmail.com; amie.davidson@dnr.iowa.gov; Kidwell, JessicaL; Gorman, Eric
Subject: RE: City of Jefferson CIS 1,2 Dichloroethylene

Yes, we know you are familiar with the local geology and we are thankful that you were present lending your expertise during some of the investigations. That is why you were included on the email chain. We want all ideas, and we appreciated your previous ideas. I forwarded the case/data info to Jessica for review including your past thoughts/hypotheses. Feel free to call Jessica at 913-551-7064 and talk. As soon as Jessica has reviewed all the data, I will set up a call for us all to chat about going forward. Feel free to call me anytime as well.

Brian
913-551-7633

From: Graesch, Matthew <matthew.graesch@dnr.iowa.gov>
Sent: Friday, February 25, 2022 2:35 PM
To: Mitchell, Brian <Mitchell.Brian@epa.gov>
Cc: Wilken, Keith [DNR] <Keith.wilken@dnr.iowa.gov>; Cook, Dan <dan.cook@dnr.iowa.gov>; jeffwaterplant@hotmail.com; amie.davidson@dnr.iowa.gov; Kidwell, JessicaL <Kidwell.JessicaL@epa.gov>; Gorman, Eric <Gorman.Eric@epa.gov>
Subject: Re: City of Jefferson CIS 1,2 Dichloroethylene

Brian,

Feel free to have her contact me. I am extremely familiar with the local geology and have spent a significant amount of time on the site and it's geology. I have a lot of thoughts and a hypothesis, but we were not able to test it for a couple of reasons related to site access and procedures of various entities. The issue of the degradation products in the Jefferson wells weighs on me and I hope we can solve it and move toward cleanup.

Thanks



MATTHEW GRAESCH, P.G. • Environmental Specialist
Solid Waste and Contaminated Sites
Iowa Department of Natural Resources
515-725-8331
502 E 9th St. Des Moines, IA 50319



RCRA



603329

On Fri, Feb 25, 2022 at 2:28 PM Mitchell, Brian <Mitchell.Brian@epa.gov> wrote:

Got another geologist (Jessica Kidwell) looking at the data. I'll know what she thinks soon. I do believe Electrolux is responsible for the contamination in the downtown wells, but we are lacking on evidence. As soon as I know her thoughts, I will have a better answer/plan developed and will share with everyone our thoughts.

From: Wilken, Keith <keith.wilken@dnr.iowa.gov>

Sent: Friday, February 25, 2022 1:46 PM

To: Cook, Dan <dan.cook@dnr.iowa.gov>

Cc: Mitchell, Brian <Mitchell.Brian@epa.gov>; jeffwaterplant@hotmail.com; amie.davidson@dnr.iowa.gov

Subject: Re: City of Jefferson CIS 1,2 Dichloroethylene

Brian,

Good afternoon.

I recently conducted another inspection of the Jefferson public water supply. The most recent sampling data for CIS-1,2 Dichloroethylene that we have in our database consists of the following;

Finished drinking water sampled on 11/17/2021 yielded 0.00158 mg/L

Well #4 sampled on 6/7/2017 yielded 0.00725 mg/L

Well #6 sampled on 6/7/2017 yielded 0.00092 mg/L

Well #9 sampled on 6/7/2017 yielded 0.0177 mg/L.

Wells 7, 8, and 10, also sampled on 6/7/2017, were non-detect.

I understand that all concentrations still remain beneath the MCL. However, I'm wondering if there are any updates on your investigation that I can pass along to the City of Jefferson?

Keith

On Thu, Feb 7, 2019 at 12:08 PM Cook, Dan <dan.cook@dnr.iowa.gov> wrote:

Hi Brian

I thought we submitted this information to Don a few years ago. I had information that showed the onsite deep wells were most likely installed in the same aquifer with supporting information.

I will get the information you need and send it to you but it might take a day or two.

Dan

Daniel Cook | Environmental Specialist Senior



Iowa Department of Natural Resources
Contaminated Sites Section
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www.iowadnr.gov

On Thu, Feb 7, 2019 at 11:37 AM Mitchell, Brian <Mitchell.Brian@epa.gov> wrote:

Can you get me any muni well logs? I am also interested in the two muni wells north of the city too.

The reason I say this is because we tried to take down-gradient GW samples from the former Electrolux site via DPT that showed nothing but we could not push down as far as we wanted and secondly, we installed a couple of roto-sonic drilled/completed wells down-gradient in the same areas as well and did not find anything. Would like to compare logging data.

Also, can you list any other former or operating facilities that may be responsible for the muni well contamination?

Brian Mitchell

RCRA Corrective Action Officer

EPA Region 7

AWMD/WRAP

2.3 – P44

11201 Renner Blvd

Lenexa, Kansas 66219

913-551-7633 work

816-304-4158 cell

From: Wilken, Keith <keith.wilken@dnr.iowa.gov>

Sent: Wednesday, February 06, 2019 9:12 AM

To: Mitchell, Brian <Mitchell.Brian@epa.gov>

Cc: Jefferson Water Plant <jeffwaterplant@hotmail.com>; Dan Cook <dan.cook@dnr.iowa.gov>; Amie Davidson <amie.davidson@dnr.iowa.gov>

Subject: Re: City of Jefferson CIS 1,2 Dichloroethylene

Brian,

According to the information I obtained from our website <https://programs.iowadnr.gov/sourcewater/SystemDetail.aspx?pwsid=3742004>

Well #4 - Total depth of ~150 feet. The bottom 30 feet is screened.

Well #6 - Total depth of 160 feet. 15' of screen from approximately 142' to 157'.

Well #9 - Total depth of 159 feet. I couldn't find any information on the screen.

The City of Jefferson and the DNR's Contaminated Sites Section are copied on this e-mail in case they have additional information regarding the wells.

Keith

On Wed, Feb 6, 2019 at 9:01 AM Mitchell, Brian <Mitchell.Brian@epa.gov> wrote:

How deep are the wells? Screened at what depth intervals?

Brian Mitchell

RCRA Corrective Action Officer

EPA Region 7

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2.3 – P44

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From: Wilken, Keith <keith.wilken@dnr.iowa.gov>

Sent: Wednesday, February 06, 2019 8:01 AM

To: Mitchell, Brian <Mitchell.Brian@epa.gov>

Cc: Jefferson Water Plant <jeffwaterplant@hotmail.com>

Subject: Re: City of Jefferson CIS 1,2 Dichloroethylene

Those are the 2 year, 5 year, and 10 year capture zones for the wells. The Geological Survey Bureau has estimated how far the wells will pull water from within 2 years, 5 years, and 10 years.

On Tue, Feb 5, 2019 at 9:37 AM Mitchell, Brian <Mitchell.Brian@epa.gov> wrote:

What are the completion zones for Muni Wells 4, 6, 9, and 10?

Brian Mitchell

RCRA Corrective Action Officer

EPA Region 7

AWMD/WRAP

2.3 – P44

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From: Wilken, Keith <keith.wilken@dnr.iowa.gov>
Sent: Friday, February 01, 2019 2:26 PM
To: Mitchell, Brian <Mitchell.Brian@epa.gov>
Cc: Jefferson Water Plant <jeffwaterplant@hotmail.com>
Subject: City of Jefferson CIS 1,2 Dichloroethylene

Brian,

Good afternoon. Thank you for the telephone conversation this afternoon.

I have attached an aerial photograph from Jefferson's Phase II Source Water Protection Plan. This photograph depicts the locations of the 4 town wells in Jefferson.

The most recent sampling results from the wells were on 6/7/2017.

Well #4 yielded 0.00725 mg/L

Well #6 yielded 0.00092 mg/L

Well #9 yielded 0.0177 mg/L

Well #10 was <0.0005 mg/L

The most recent finished water (as the water leaves the treatment plant) sampling results are;

0.00131 mg/L on 12/4/2017

0.00163 mg/L on 4/2/2018

0.00147 mg/L on 10/9/2018

It would be greatly appreciated if you could keep us updated on the status of your investigation. Do not hesitate to let either myself or the City of Jefferson know if you need anything further.

Keith

----- Forwarded message -----

From: <DNRATLPRN02@iowa.gov>

Date: Fri, Feb 1, 2019 at 2:13 PM

Subject: Message from "DNRATLPRN02"

To: Keith Wilken <keith.wilken@dnr.iowa.gov>

This E-mail was sent from "DNRATLPRN02" (MP C4504ex).

Scan Date: 02.01.2019 14:11:08 (-0600)

Queries to: DNRATLPRN02@iowa.gov

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Keith Wilken | Environmental Specialist Senior

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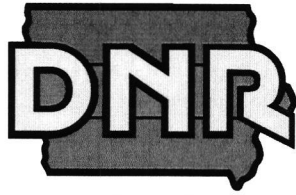


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